G.R.S. IX-5]

Preserve

Previous references.
H 22-23 (1-2)

(1923-4 H)

File No. 23-24
Serial Nos. 1-2

Later references.
H 23-24 (3-10)
H. Dept No. 57-27.

GENERAL AND REVENUE SECRETARIAT

Serial Nos. 2

Part B for Aug 24

SUBJECT

Continuance of the Temporary Establishment sanctioned in connection with Lac propagation.

No. 9-C. 1226-7. of 22-8-1924.

To The Conservator of Fts
& Comptr to Govt.

Sanctions the ———.

H 2

GENERAL AND REVENUE SECRETARIAT.

(H-)

NOTES.

File No. 23-24

FILE HEADING.

Continuance of the Temporary Staff employed in connection with Lac propagation.

From

The Conservator of Forests

No. 43 Dated 17.7.1924 Received 18.7.1924

Diary No. 294	Enclos. 1 Spare Copies.	Serial No. 1

BRIEF ABSTRACT OF LETTER:

Forwards Copy of the report received from Ranger Mr. M. Basappa, on the work done by the Special Staff during the year 1923-24 and requests sanction for the continuance of the Staff till the end of June 1925.

NOTES AND ORDERS.

Mr. Basappa's report gives a ~~concise~~ history of the progress made in the development of lac cultivation during the year 1923-24 and so far as the financial position is concerned, the results are not discouraging, but how far the Ranger and his

G. R. S. III-2]

WD 2310—GPB—10,000—31-5-24

General and Revenue Secretariat. | File No. 23 of 1924.

Serial No.

staff are responsible for the successful working of the scheme, it is not clear. It is reported that out of a total quantity of 412 maunds 23 lbs collected during the year, 232 maunds 9 lbs were collected by the wardars in their ranges and therefore only 180 maunds 14 lbs were collected by the Forest Staff in 28 ranges. From this point of view, the work of the special staff does not appear to be quite satisfactory and the scheme, if properly worked, is likely to have a bright future before it.

2 The receipts by the sale of lac during the year amounted to Rs: 9384-4-11 against an expenditure of Rs: 5381-8-2, not to speak of a stock on hand valued at Rs: 1235.

3 Quite recently, Dr Gilbert Fowler submitted certain proposals in connection with the development of lac cultivation and the question has been referred to the Board of Industries for opinion; pending receipt of the opinion of the Board, the Forest department has to carry on the work of lac development, technical advice, if necessary, being taken by Mr M. Sami Nasair of the Indian Institute of Science Mr Basappa has asked for certain

Dft 314-23-5 (separately sent)

NOTE—Conton. sheet.

G. R. S. III. 2]

WD 2310—GPB—10,000—31-5-24

General and Revenue Secretariat. | File No. 23 of 1924.

Serial No.

additional staff for employment in connection with the washing of lac and the Conservator has not referred to it in the Communication; this is a matter pertaining to Industries and may perhaps be separately dealt with on receipt of Director's recommendations on the Subject.

5. The present reference of the Conservator for the continuance upto existing establishment is for orders now. The Conservator, Thaneem, says that he has allowed the establishment to continue in anticipation of Govt. sanction, his C.F. No. 25. 7. 24, also says that provision has been made in the current year's Budget for the Expenditure

6. The recommendation of the Conservator to continue the establishment for another year may perhaps be sanctioned—

7. The report will be reviewed after the receipt of the main file.

For orders

SMR 26/7

Should have been marked Immediate

Rev Secy

Under Secy

PG. SMR 31/7

15/3.8

NOTE—Conton. sheet.

G. R. S. III-2] 15

WD 2310—GPB—10,000—81-5-24

General and Revenue Secretariat. | File No. 23 of 1924.

Serial No.

The continuance of the Establishment up to the end of June 1925 may be sanctioned & the Comptroller may be asked to submit by the end of Jan next a report of the work done by the Establishment up to the end of Dec. So that the question of the continuance of the Establishment beyond may be considered in connection with the next year's budget may be decided & the Comptroller informed when the provision should be made for the year commencing 1st April 1925.

19/8

15/8

SMR 15/8

10 Draft submd.

KS. 15.8.24. 16/8

Issued

Rev Secy SMR 18/8 App K 19.8 Issue

SMR 19/8

2 To

The Comptroller & Auditor General

No. C 1226-7 of 1924

Sanction is accorded to

NOTE—Conton. sheet.

G. R. S. III-2]

WD 2310—GPB—10,000—81-5-24

General and Revenue Secretariat.

File No. 23 of 1924.

Serial No.

Referred to the Secy, & Requested him to submit a full report of the work done by the establishment up to the end of Dec 1924 & furnish his opinion as to the necessity or otherwise of continuing the establishment beyond June 1925.

25 AUG 1924
INDUSTRIES & COMMERCE
BRANCH

NOTE—Conton. sheet.

OFFICE OF THE CONSERVATOR OF FORESTS IN MYSORE.

Tel. Address.
"Forestcon"

Dated Bangalore, 17/7/1924

No. 43/a1

Ag- 23-24-1

V. SEC

FROM

B. V. RAMAIENGAR, ESQ., B.A.,
Conservator of Forests in Mysore.

GEN. & D 2 9 4 SECRETARIAT
18 JUL 1924
INDUSTRIES & COMMERCE BRANCH.

04345

17 JUL 1924 STR

TO

V.V. Ranganathayya, Esqr., I.C.S.,
Secretary to the Government of Mysore,
Revenue Department, Bangalore.

Adverting to Government order No.IC.647-98/24.23-25-2 dated 2nd August 1923, sanctioning the continuance till the end of June 1924, of the special staff consisting of one Ranger, three fieldsmen and two peons employed on lac cultivation, I have the honour to submit herewith, for the information of Government, a copy of the report received from Ranger Mr. T. Basappa, on the work done by the Special Staff during the official year 1923-24 towards the development of the lac industry.

2. The scheme is only 3 years old, and yet it is gratifying to note that the financial results - satisfactory as they are - are capable of great extension during the year. During the year 1923-24, an approximate surplus of nearly Rs.4,000/- has been obtained, excluding the value of the quantity now in stock which is worth nearly Rs.1,500/-. This result was achieved, I am glad to say, in spite of adverse seasonal conditions. Should these prove favourable, the revenue during the current year will, it is expected, be greatly improved. Necessary provision of funds for continuing the work during the current year has been made in the budget, and I request therefore that sanction of Government may kindly be obtained and communicated to me for the continuance of the existing staff till the end of June 1925.

In anticipatio

From

The Ranger, in charge,
Lac Cultivation, Bangalore.

To

The Conservator of Forests,
in Mysore, Bangalore.

Sir,

With reference to your memo No. 1789 dated the 10th August 1923 communicating to me copy of Government order No.I & C. 607-08/23 22-23-2 dated 22nd Aug 1923 sanctioning the continuance of the Special staff in connection with Lac Cultivation till the end of June 1924, I beg to submit a report on the work done during the current official year 1923-24 for favour of addressing Government for its continuance and bringing the same on a permanent footing.

2. In spite of the bad seasonal conditions the work has expanded. It is now being carried on in 30 different localities in eleven different Ranges as against twenty ~~and~~ eight in the year previous. It is proposed to introduce the same into one or two new localities during the ~~current~~ coming year.

3. From the commencement of the current official year, viz., 1st July 1923 up to date 412 Mds. and 23 lbs. have been collected as against 220 Mds. in the previous year. If the seasonal conditions were favourable the collections would have been well over 500 Mds. In a few localities the drought was so severe that it was feared that the brood would altogether diasppear. Except in those few localities where nature was more bountiful the incrustations formed were on the whole, rather meagre. Unlike other crops the lac crop is doublly affected by adverse climatic conditions both the host (tree) and the insect-in as much as there is diminished flow of sap in the tree due to want of moisture in the

in the soil and the insect has to live upon less food and under trying climatic conditions.

4. Of the total quantity collected viz., 412 Mds. and 23 lbs. 74 Mds. and 18½ lbs. were sent to the Mysore Government Soap - Factory, Bangalore, for washing; 317 Mds. and 4 lbs were sold by tender and inclusive of the quantity left untreated at the Government Soap Factory viz., 19 Mds. and 22 lbs there is on hand 40 Mds. and 22½ lbs.

5. Sales.- After sending samples both of washed and crude lac, the dye and the lac-dust to London, Calcutta, Mirzapur and other - places; last May, their disposal by tender was widely advertised in some of the leading papers. A few offers were received and that of Mr. A. Pell of the Mysore Pharmaceutials being the highest, was accepted. The following statement gives the results of sales - during the year up to the date of writing:-

Name of purchaser.	Kind.	Quantity. Mds.	lbs.	Rate per maund. Rs.	Amount. Rs.
The Chamundi Lac Works Channapatna.	Washed	0	5	28 0 0	5 0 0
-Do-	Do.	4	0	25 0 0	100 0 0
The Mysore Arts & Wood-works, Bangalore.	Do.	1	14	35 0 0	52 8 0
Mr. A. Pell, Tender sales	Do.	70	14, 6/7	) Lump-sum) offer gives	
and	Crude	293	24 4/7	) Rs.30 per Md.) washed and) Rs.18-6-0 per) Md. crude Lac.	7,500 0 0
-Do-		23	7 3/7	20-0-0	465 4 11
				Total	8,122 12 11

If, to this, be added the sum of Rs.1,261-8-0 being the amount realised during the current year on account of sales last June, the total realisation this year amounts to Rs.9,384-4-11 as against Rs. ~~804-8-0~~ 2258-13-9 in the - previous year.

Owing to the fact that we are far away from the centres of - consumption and the Mysore Lac is un-known to the Lac-world the rates

rates realised for the crude stuff is not as high as it would have been but for the above facts. It may not be out ofplace to mention here that we are practically the first to put washed Lac on the Market.

There is now in stock 40 mds. and 22½ lbs. of crude Lac being the quantity since received. A Tiptur merchant has promissed to buy this up before the close of the official year and if he does so, our total realisations will well exceed Rs.10000/-.

So far there have been no definite offers for Lacdust and dye. - Messrs. Moran & Co. of Calcutta wrote for sample for analysis stating that they have seen our samples at the India Lac Association for - Research, Calcutta, and that they have buyers for same. I have reminded them of the matter and am expecting their reply.

The Chief Jailer, Bhopal States, wrote for samples of dye and - quotations. I have sent him the samples. In case there are no buyers for the Lac-dust, I intend utilizing the same for varnish making etc., after the Factory is started.

6. EXPENDITURE.- The cost incurred up to date is as follows:-

		Rs.
Special Establishment	Payand T.A.	3,222-14-2
Works inclusive of the payments ~~and, to~~ - Wodders etc.		2,158-10-0
	Total	5,381--8-2

Of the amount spent on "Works" a goodly proportion is debitable to enumeration, pruning etc., of jalari trees which results will be - apparent only years later.

7. Financial results.- Briefly expressed it is as follows:-

	Rs.
Total Receipts	9,384--4-11
" Expenditure	5,381--8--2
Surplus	4,002-13--9

Value of Lac in stock.

40¾ mds. @ Rs.20/- per md.	815--0--0
-do- dust 33 mds. and dye 9 mds at Rs.10/- per Md.	420--0--0
	5,237--12--9

5381/ It will be seen from the above that against an expenditure of -
5381/ Rs. 381/- there is a net receipt of Rs.5,237/- a result which may be -
regarded as satisfactory considering the fact that it is the ~~third~~ third year of its working and ~~that~~ there was a bad seasonal year to -, contend against. The present crop which comes to maturity in August - September though it suffered in the beginning for want of rains and the on-slaught of white-ants whose ravages extended to over 20 ft. up the tree destroying not only the bundles of brood-lac but the new settlement as well, has since recovered. If the seasons continue to be favourable there will be better results to show in the coming year.

8. Enumeration:- During the year the enumeration of Jalari trees the species on which we are, at present, confining our sole attention in the Royalpad Range, Kolar District, was undertaken and completed by the Working Plans Staff, in the Bukkapatna Range (Ranganathpur Forest) and the Maddagiri Range by the Range Staff and in the Goribidnur Range (Gadere Forest) by the special staff. The special staff is going on with the enumeration work in the Narayanadurga forest and has upto date enumerated 12,953 trees. A beginning has, also, been made in the Chik-kanayakanhalli Range and 100 trees enumerated. So far, over 26,000 trees have been enumerated and the work is proceeding. The number of trees enumerated last year was 16,500.

9. Pruning:- Not much work under this head was done during the year as there were sufficient number of trees for purposes of inoculation. In all only 750 trees were pruned in the French-Rocks and Royal Pad Ranges.

The experiments on "Pruning" refered to in the last Year's Report are being continued.

10. The following statement gives in a succinct form information regarding localities, quantity of lac collected, expenditure incurred, etc.,

District.	Range.	No. of Localities.	No. of trees enumerated.	On crop.	Pruned.	Quantity of Lac collected.		Expenditure.
						Mds.	Lbs.	Rs.
Mysore	French-Rocks	3	12,953	150	650	90	17½	282--0-0
Bangalore	Anekal	4	...	679	150	41	23½	225-10-0
Kolar	Royalpad	4	5,500	206	100	18	6	89-15-0
	Goribidnur	1	3,251	29,	..	10	7	63--0-0
	Chickballapur	1	...	14	..	4	23	19--0-0
Tumkur	Tumkur	8	...	1,000	..	218	19	1318--2-9
	Bukkapatna	3	1,600	64	..	13	18	104--3-0
	Chicknayakanhalli ...	2	100	70	..	1	20	8--7-0
	Maddagiri	2	2,822	100	..	11	25½	19--3-3
Kadur	Kadur	1	...	11	..	0	27½	16--2-0
Hassan	Hassan	1	...	..	..	..	4	2-13-0
	Total	30	26,226	2,323	900	412	23	2,148-8-0
By the Ranger in charge	"On works"				...			10-2-0
					Grand total			2,158-10-0

The crop in the Closepet, Kadur and Hassan Ranges which was coming up fairly well failed during the year. It is proposed to start the work again in those localities during the next coming season August-September as ~~then~~ the season is most favourable for so doing.

11. Experiments on other Host plants.- These are being continued on a small scale. As stated in my last year's report that on Cajnus indicus (Thegari) is a total failure. The results on Butea frondosa (Muttaga) is not much of a success. Acacia Formesina (Kasturi Jali) is proving a hopeful host. I am watching the experiments that are being carried out at the Indian Institute of Science. The results so far obtained are not in any way equal to what we obtain on Shorea talura (Jalari). The percentage of mortality among the larva are higher, the incrustation poorer and the yield less than in the case of Jalari. I have planted a number of seedlings in a corner of the Dorasanipalya area with a view to study the subject independently.

The experiments on Anona squamosa (Sithapal) in the Royalpad Range failed evidently due to severe drought in the locality. Arrangements have been made to try on it again during the coming rainy season as well as on Zizy-phus xylopyra (Chotte), Acacia Instia (Kad-Seege) which grow wild in some of our forests.

12

It may not be out of place to mention here that it will be several decades, may, even a century before we can exhaust our jalari trees and we are forced to the necessity going in search of other hosts. These experiments are purely of scientific interest and nothing more. So far as my present experience goes our lac insect thrives best on Jalari.

The plantation of the other host plants of the lac-insect raised last year for purposes of comparative study in a corner of the Dorasany Palya Lac area suffered greatly for want of timely rains.

12. Method of working.- There has been no change in the method of working and so far the method that is being pursued has proved quite successful.

13. Lac Washing;- Last September a beginning in lac-washing was made in the Government Soap factory, Bangalore. The work was continued until about January last. During the current official year 74 mds and 18½ lbs. were sent for washing. Of this quantity by the time - 54 mds. and 24½ lbs. were washed, the work there was discontinued with a view to bring the same purely under Departmental control. Arrangements for putting up a pukka shed at a cost of about Rs. 2,000/- for washing etc., in the local Sandal Koti premises have been completed. The construction work will be taken up on hand immediately the seedlings in the nursery are sent out.

It is intended to take up along with washing work, varnish and - sealing-wax making and utilise as far as possible the dust and the - waste-product for the two latter purposes.

14. The lac lease of the Tumkur District came to a close on the 30th June 1923. It was first thought to take up the work by purely departmental agency. The Woddars who were working for and under the leasee anticipating such a contigency clandestinely removed much of the brood to private areas. At the same time some of the Woddars approached the Conservator of Forests and begged that they might not be deprived of their heriditary occupation and subsidiary living and that they would work under the Department. So, an arrangement was made by which the Woddars were to work the areas under Departmental control and -

and supervision. They were to bear all working expenses. All the lac collected ~~should~~ was to be surrendered to the Department who will, in - turn, pay the Woddars the money-value of half the produce delivered at the current market rates. This arrangement was approved of by Government and is in vogue in two ranges, viz- Tumkur and Bukkapatna of the District.

The total quantity collected through this agency in these two ranges is as follows.

	Mds.	Lbs.
(1) Tumkur	218	19
(2) Bukkapatna	13	18
Total	232	9

15. Prior to first July 1923 the right to cultivate lac in this district (Tumkur) has been leased out for a period of three years for a sum of Rs.3,000/-. This gives, on an average, Rs.1,000/- per year from this source.

During the current official year the total collections for this district amounted to 245 maunds and 26½ lbs. as per particulars noted below:-

	Mds.	lbs.
Through Government Agency	21	0
Through Woddars (Varun Tanure)	210	26½
From Hiduvalidars ...	14	0

The expenditure so far incurred inclusive of the payments made to the Woddars and Hiduvalidars is Rs.1,450/-. If, to this, be added the amount still due to the Woddars on account of recent deliveries, namely, about Rs.300/- the total expenditure does not exceed Rs.1,750/-

We sold the major portion of crude lac at Rs.18-6-0 per maund and a small portion at Rs.20/- per maund. Even taking the lower of the two figures viz Rs.18/- as the rate per maund a round figure for purposes of calculation the revenue of this district from this source amounts to Rs.4,326/-.

Briefly, the above stands as follows:-

Revenue	Rs.	4,326/-
Expenditure	"	1,750/-
Surplus	"	2,576
Deduct the amount that would probably have been realised by leasing.		1,000
Excess		1,576

Even after making due allowances for possible higher rental and proportionate charges on account of establishment etc., to the extent of Rs.576/- there is an excess of Rs.1,000/- over and above what would otherwise have been realised. So, it may be said without hesitation that the Departmental working is a more advantageous one than that of leasing.

The coming year we may be able to show better results in that we are coming to have greater grip and control of the Woddars and their working.

16. During the year I inspected all the areas a few more than once with a view to observe the condition of the crop, the larval emergences etc, and to give necessary instructions. In some areas I personally supervised the work of propogation, thrashing, etc.

I was on Kedda duty from 13th November to 19th December 1923.

17. I am keeping in close touch with the work that is being done at the Indian Institute of Science, Bangalore. I have, also, asked them to work one or two problems for me for want of time and appliances.

18. Since it is decided that the washing of lac etc., should be taken up by me I beg that the following additional staff may be kindly sanctioned.

(1) A hand to assist me in the washing of lac ~~and the manufacture~~ and the manufacture of varnish and sealing wax. One who has a fair knowledge of Chemistry and Physics would be most helpful. None of the fieldmen now working under me will be of any use to me in the Factory, since, none of them have studied even up to the Lower Secondary Standard. I would like to employ for this work the man who was working at the Washing of lac at the Soap Factory and who has had already some training under me. He has studied up to the Entrance standard of the Mysore University. He is now working in the Soap Factory on a temporary footing and the Industrial Chemist (Mr. S. G. Shastry) is willing to spare me his services.

I propose a grade of Rs.30-5-50 to him.

(ii) The clerical work is increasing and I am, even now, finding it difficult to maintain the requisite registers and office copies of the correspondence. With the additional load of the Factory work which entails the maintenance of a number of Stock registers, submis-

15

submission of monthly returns etc., the services of a typist- clerk becomes a necessity. No decent hand can be had in these hard days on anything less than Rs.30/-. I , therefore, propose a grade of - Rs.30/-. If, in case, it is deemed the two hands may mean a heavy - expenditure I am prepared to forego the services of a fieldman.

(iii) Two watchmen - one for day duty and the other for night - duty are essential I propose a pay of Rs.12/- to each of them.

19. Lastly I beg leave to express my thanks to all those Range and District Forest Officers where lac cultivation is being carried on for their ready help and willing co-operation without which the work would not have been carried on successfully.

I beg to remain,

Sir,

Your most obedient servant,

Sd/ M. Basappa.

Ranger in charge
Lac Cultivation.

" C O P Y"

For Conservator of Forests.

G.R..S VI G 34]

SUBJECT.....

.....

.....

Diary No. of letter replied to.....

General and Revenue Secretariat

( )

, *the* 192

Date of issue 22/8/24.

Signed by.

May this be

i Printed ?

ii treated as a standing order ?

iii published in the Gazette, English Part ?

iv translated ?

v placed at the disposal of the press ?

vi published in the Gazette, Kannada Part ?

Section H

File No. 23-24

Serial No. 2

Proceedings of the Government of His Highness the Maharaja of Mysore.

Read— G.O. No. F.C. 607-08 H 22232 dt 12 August 1923 sanctioning the continuance upto special staff employed in connection with the cultivation of Rice till the end of June 1924.

Letter no 439 of 17th July 24 from the Cr. forwarding copy of the report received from the Ranger. on Rasappa on the work done by the special staff ~~Order Thereon No.~~ during the year 1923-24 and requesting sanction for the continuance of existing staff till the end of June 1925.

Order. I.C 1226-7

Sanctioned, the cost being met from the provision under "Other Provincial" under Conservancy Works in the current year's budget upto the end

This was to be provided for last year M (H 22-23-2)